COMMENTS

The enclosed is responsive to the Examiner's Office Action mailed on

January 27, 2005. At the time the Examiner mailed the Office Action claims 1-15

and 17-24 were pending. By way of the present response the Applicant has: 1)

amended claims 1, 4, 6-9, 12, 14, 17, 20 and 22-24. No new claims have been

added. As such, claims 1-15 and 17-24 are now pending. The Applicant

respectfully requests reconsideration of the present application and the allowance of

all claims now presented.

The amendments to the claims are made only to place the claims in what

Applicant considers to be better form and not in response to the rejections.

Applicant does not believe any amendment is needed to comply with any

requirement of patentability.

Claim Objections

The Examiner objected to claims 1 and 9 because of informalities.

Specifically, the Examiner stated that the preambles of claims 1 and 9 do not

indicate what subject matter the claims are directed to.

Applicant respectfully traverses. However, to facilitate prosecution, Applicant

has amended the preambles of claims 1 and 9 to include the phrase "for delivering

data within a single data packet." Applicant respectfully request withdrawal of the

objections.

Claim Rejections

35 U.S.C. § 112, second paragraph, Rejections

The Examiner rejected claim 1 under 35 U.S.C. §112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. Specifically, Examiner stated that claim 1 recites "said data packet" which is inconsistent with what was previously recited (i.e. "a first data packet"). Examiner asserted that there was insufficient antecedent basis for "said data packet."

Claim 1 has been amended. Applicant respectfully request withdrawal of the rejection.

35 U.S.C. §103(a) Rejections

The Examiner rejected claims 1-6, 9-15, 17, 18-22 under 35 U.S.C. 103(a) as being unpatentable over Jonsson, U.S. Patent 6,609,224 (hereinafter "*Jonsson*") in view of Kato, U.S. Patent 5,844,918 (hereinafter "*Kato*").

Independent claims 1, 9, 15 and 17 each include at least one limitation not disclosed nor suggested in *Jonsson* or *Kato*, alone or in combination. Therefore, independent claims 1, 9, 15 and 17 are patentable over *Jonsson* and *Kato*.

Specifically, independent claim 1 recites the limitation: "transmitting, within said single data packet, said plurality of independent data segments and said data integrity information calculated for each of said plurality of independent data

Application No. 09/909,624   11   Atty. Docket no. 03442.P012
Amdt. dated June 27, 2005
Reply to Office action of January 27, 2005

segments." Neither *Jonsson* or *Kato*, alone or in combination, disclose, suggest or teach this limitation.

First, *Jonsson* does not disclose, suggest or teach this limitation. As the Examiner stated, *Jonsson* does not explicitly teach calculating data integrity information for data segments to be transmitted within the data packet. (Office Action dated Jan. 27, 2005, p. 5). Applicant submits that *Jonsson* does not otherwise teach having data integrity information for each of a plurality of independent data segments, and therefore cannot teach or suggest transmitting within a single data packet data integrity information calculated for each of a plurality of independent data segments.

In fact, *Jonsson* teaches away from transmitting multiple data integrity information (e.g. checksums) within a single data packet. *Jonsson* teaches a "method and apparatus for replacing a transport layer header error detection code and a header compression algorithm error detection code with a one error detection code." (*Jonsson*, Abstract). *Jonsson* states, "[o]ne well known type of error detection code is called a checksum." (*Jonsson*, col. 2, lines 49-50). According to *Jonsson*, "Such an arrangement reduces the amount of as-is or uncompressed information transmitted, thereby reducing the required bandwidth." (*Jonsson*, Abstract). In other words, *Jonsson* teaches reducing the number of error detection codes (e.g. checksums) transmitted within a data packet from two to one.

Therefore, not only does *Jonsson* fail to teach, suggest or disclose "transmitting, within said single data packet, said plurality of independent data

segments and said data integrity information calculated for each of said plurality of independent data segments," but *Jonsson* in fact teaches away from such a method.

Kato also does not disclose, suggest or teach the limitation of "transmitting, within said single data packet, said plurality of independent data segments and said data integrity information calculated for each of said plurality of independent data segments." Examiner asserts that *Kato* "in Figure 5b and 5c teach or disclose transmitted data divided into blocks or segments and each of the data blocks comprise CRC codes for detecting errors." (Office Action dated Jan. 27, 2005, p. 2). Although *Kato* may disclose dividing basic transmission data, which corresponds to basic data appended with a BCH-based parity code, and appending error detecting code to the thus-divided data segments (*Kato*, col. 9, lines 10-15, 19-22), these data segments and their associated error detecting code are not "transmitted within a single packet" as required by claim 1.

Rather, as can be seen from Figure 5D and the relevant description in *Kato*, each data segment (and its associated CRC code) is transmitted in a separate packet. Specifically, in Figure 5D, three packets are shown, one packet for each segment and CRC code combination. Kato states "The data segment complete with the CRC code is further [p]rovided with a packet header, thereby a transmission data packet is generated." (*Kato*, col. 12, lines 21-24, emphasis added). In other words, *Kato* discloses forming separate transmission packets for each data segment and error detecting code combination. *Kato* does not teach, disclose or suggest "transmitting, within said single data packet, said plurality of independent data

Application No. 09/909,624   13   Atty. Docket no. 03442.P012
Amdt. dated June 27, 2005
Reply to Office action of January 27, 2005

segments and said data integrity information calculated for each of said plurality of independent data segments" as required by claim 1.

As discussed above, *Jonsson* fails to teach or suggest "transmitting, within said single data packet, said plurality of independent data segments and said data integrity information calculated for each of said plurality of independent data segments" and in fact teaches away from such a limitation. *Kato* also fails to teach or suggest "transmitting, within said single data packet, said plurality of independent data segments and said data integrity information calculated for each of said plurality of independent data segments." Accordingly, neither *Jonsson*, nor *Kato*, nor the combination thereof teach or suggest the limitations of independent claims 1.

Independent claims 9, 15 and 17 each have similar limitations.

Specifically, independent claim 9 recites "a packet generation module for encapsulating, within a single data packet, said plurality of independent data segments and said data integrity information calculated for each of said plurality of independent data segments.... a transmission module for transmitting said single data packet."

Independent claim 15 recites "the UDP datagram having...a payload, the payload comprised of a plurality of independent data segments...adding a checksum to each independent data segment in the payload... sending the modified datagram."

Independent claim 17 recites "transmitting, within said single data packet, said plurality of independent data segments and said data integrity information calculated for each of said plurality of independent data segments."

Accordingly, neither *Jonsson*, nor *Kato*, nor the combination thereof teach or suggest the limitations of independent claims 9, 15 and 17.

Claims 2-8, 10-14 and18-24 depend, directly or indirectly, from one of the foregoing independent claims. Therefore, neither *Jonsson*, nor *Kato*, nor the combination thereof teach or suggest the limitations of independent claims 2-8, 10-14 and18-24 for at least the reasons discussed above. Accordingly, Applicants respectfully request withdrawal of the rejection of claims 1-15 and 17-24 under 35 U.S.C. §103(a).

In light of the comments above, the Applicant respectfully requests the allowance of all pending claims.
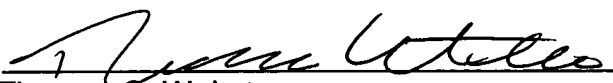
CONCLUSION

Applicant respectfully submits that all rejections have been overcome and that all pending claims are in condition for allowance.

If there are any additional charges, please charge them to our Deposit Account Number 02-2666. If a telephone conference would facilitate the prosecution of this application, the Examiner is invited to contact Thomas C. Webster at (408) 720-8300.

Respectfully submitted,

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